XtendLan

DPC-536 Programming and Debug Guide

CONTENTS

1. INTRODUCTION

This Manual includes two parts: **programming** and **debug tools**.

1.1   About Programming

This part explains all the steps required to **program Monitor Room Code** and **DPC Door Station** in a standard system without any kind of restriction or different customization, by using the keypad and screen on the Door Station panel.

For your conveniences, it is better to use the **PC programming procedure** in buildings with many users, especially when networking Access Security or IDS Software is involved, or in a complex installation. Please note that some kinds of programming must be done by means of PC programming, for example, digital Name Lists and Instruction screens, etc.

The basic programming procedure, this is to say, the items that can be achieved from keypad are as below: To assign the call code to Monitors, this is to say, to programming the Monitors' Room Codes or addresses. To program or modify the system configuration and working parameter, for example, door release timing, etc. To program the proximity access control settings, for example, adding or deleting IC cards.

1.2   About Debug Tools

In Second part, explains how to **use the field debug and diagnose tools** in installations, by means of the keypad and screen on the Door Station panel.

However, it is better to use the **PC diagnose procedure**, when the Guard Unit is connected and works. Please refer to the software manual.

Several system operation diagnose in installations is much useful in installations. For example, carrying out on-line or off-line monitors searching, performing batch emulated calling, getting the voltage of monitors, showing the operation information etc. These debug and diagnose tools will greatly ease the procedure of installations.

NOTE. Important knowledge of device addresses

Each Monitor in system must be programmed with an address that identifies and distinguishes it from the rest of the Monitors, and the addresses (i.e. Room Codes) go from 0001 to 9999. Each Room Code must be unique in one building, and this is normally the calling number of the Monitor.
In factory setting, the Monitor's Room Code is random codes. To program Room Code, see Chapter 4.3, 4.4.

Each Door Station must be programmed with a unique Netware address that identifies and distinguishes it from the rest of the Door Stations, and the addresses (i.e. Net Address) go from 001 to 120.
If Door Station is just bought or being restored to the factory setting, no Net Address is assigned. To make Door Station works with the Guard Unit, Net Address must be programmed first.
Net Address parameter is located in: **PROGRAM > [1] Configuration > -1. Net Address**, see Chapter 5.4.

2. SYSTEM PASSWORDS AND MASTER CARD

2.1. Administrator Code

Administrator Code (Admin. Code for short in PROGRAM MENU) is used to configure the Door Stations in installations; it is also called Installer Code.

With the Administrator Code, you can access all the program menus, fully configure the system, change all kinds of codes, parameters setting, using Debug Tools in Door Station etc.

Administrator Code is 8-digits format, by default *"66666666"*, and can be changed.
Administrator Code is located in: "**PROGRAM ⇗ [1].Configuration ⇗ -8.Admin. Code**", see Chapter 5.4.

NOTE:
It is strongly suggested that you should modify Administrator Code, especially when the installation has been finished, avoiding unconscious modification of the configuration data.

2.2. Program Code

Program Code is also called **User Programming Code**. This code only allows access to program the Unlock Code, Monitor, browse information, and IC card management.

Program Code is 8-digits format, by default *"88888888"*, and can be changed.
Program Code is located in: "**PROGRAM ⇗ [2].Unlock Code ⇗ -8.Program Code**" , see Chapter 5.4.

Note that Administrator Code is also valid in all cases when Program Code is asked. After the installation has finished and relegated to building keeper, you should hand over only **Program Code**.

2.3. Unlock Code

Unlock Code is used to open the door by means of Door Station keypad.
There are 2 optional modes: **Common Unlock Code** mode and **Private Unlock Code**.

- **Common Unlock Code**
In this mode, 2 common 4-digits code or 1 common 8-digits code can be used to open the door.
Related parameters are located in "**PROGRAM ⇗ [2].Unlock Setting**", including "-1. 1st Unlock Code" and "-2. 2nd Unlock Code" and "-5.Code Mode", see Chapter 6.

- **Private Unlock Code**
In this mode, each user has his/her own Unlock Code, combined with Room Code, see Chapter 6.

2.4. Master Card

The Master Card will serve for direct access to enter Debug Mode and PROGRAM Menu. This can only be used when Door Station has proximity Access Security function. See **Chapter 3. Debug Mode** for reference.

Each Door Station can only one Master Card, and be authorized previously.
Master Card can be re-authorized, see Chapter 7.3.2 for reference.

3. Conception of DEBUG MODE

3.1.   What's Debug Mode

Debug Mode is a special running state of Door Station, differs from **Normal Mode**, for the conveniences of system setting and diagnosing in installations. Debug Mode should only be launched by installers.

When Door Station runs as **Debug Mode**, most system functions are operated just as it runs as **Normal Mode**, and available shortcuts and functions in **Debug Mode** are as below:

1.   Respond Monitor calling request, and automatically calls the Monitor back
2.   Enter Monitor or Door Station Programming in shortcut way
3.   Using Debug Tools
4.   Access security management by means of keypad
5.   Debug the alarm security function without an on-line Guard unit
6.   Adjust the conversation volume in Door Station during talking state

3.2.   How to activate Debug Mode in Door Station

- **By means of keypad**
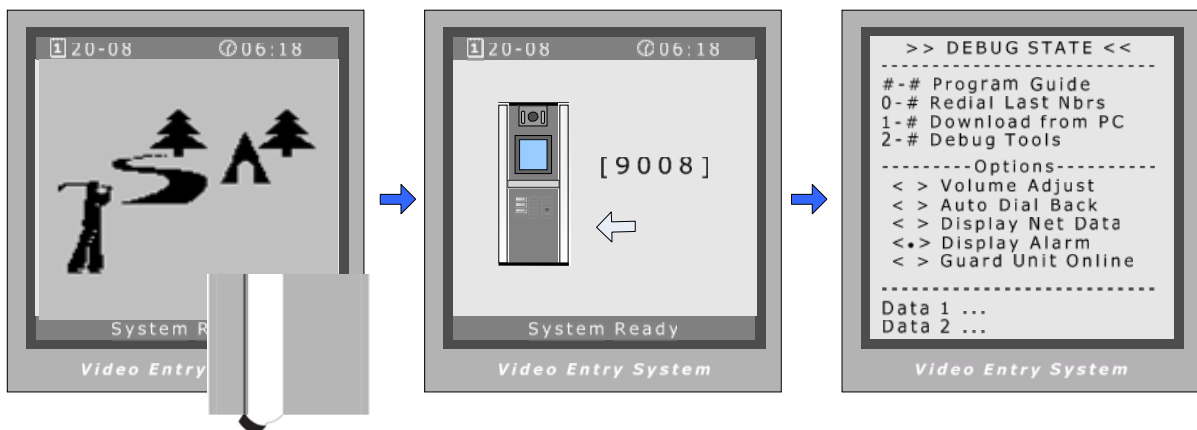
When Door Station is standby, press "**#**" key

Input "**9008**", then input **Admin Code** ("*66666666*" by default)

Debug Mode menu is launched

- **By means of Master Card**
  You can also activate Debug Mode by means of Master Card, if it was programmed previously.
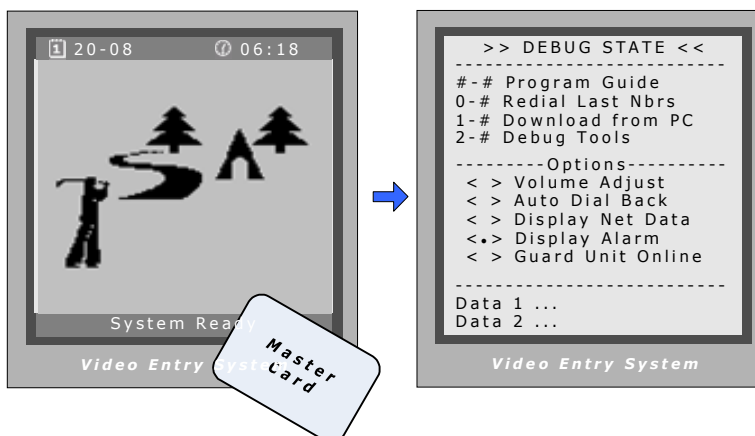
Note. Admin Code is "66666666" by default, and can be changed. New Admin Code must be kept carefully. If wrong code is entered, system will display "Password Error".

4. MONITOR PROGRAMMING

4.1. What's Room Code

Each Monitor in system must be programmed with an address (**Room Code**), i.e. the **calling number**.

Room Code ranges from "0001" to "9999" and each Monitor Room Code must be unique in one building.

Room Code is stored in each Monitor's inner EEPROM memory, and does not lose even the monitor is power off.

Room Code has no relation with the location where the Monitor is installed.

Room Code is always 4 digits format, but the **Doorplate Mode** parameter in Door Station will control the digits you have to input in Door Station keypad, to call the Monitor. If **Doorplate Mode** is set to the 2 digits mode, only 01~99 can be input (01~99 mapping Room Code range from 0001 to 0099, you must program Monitor in 4 digit format).

Please refer to: **PROGRAM > [1] Configuration > -7. Doorplate Mode**

4.2. How to acquire current Room Code

- Connecting the Monitor with a Door Station running in Debug Mode, press the Monitor's CALL Button, the Door Station LCM screen will show the Monitor's Room Code (and Door Station will call back the Monitor automatically after 3 seconds if Auto Dial Back debug option is activated).

- Connecting the Monitor in a system that Guard Unit works, presses the Monitor's CALL Button, the Guard Unit's LCM screen will show the Monitors' Room Code.

- If the Monitor is color type with OSD Menu, you can get the Room Code in ABOUT Screen of OSD Menu.

- Even if you don't know the current Room Code, you can also program the Monitor to assign new Room Code.

4.3. Program Monitor by means of Monitor's keypad

Only if the Monitor has a number keypad, you can use this method.

Make sure the Monitor is standby; then operate in Monitor's keypad as below:
- ④ Input "**80#**" first
- ④ Then "**Super Password**"
- ④ Then "**New Room Code**"
- ④ Press "**#**" **again** to confirm program operation.

For example,

To program 1606 to the Monitor, input: "*8 0 # XXXX 1 6 0 6 #*"
To program 0102 to the Monitor, input: "*8 0 # XXXX 0 1 0 2 #*"

XXXX means Super Password, please refer to your dealer.
In the procedure, you can press "*" to cancel and re-input.
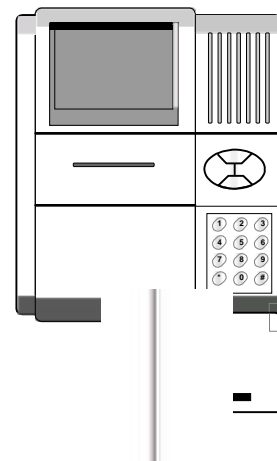
4.4. Program Monitor by means of Door Station

4.4.1 Launch "Monitor Program" menu in Door Station

You can enter programming state in both states: Normal or Debug mode. Please see as below:

- **When in normal mode**
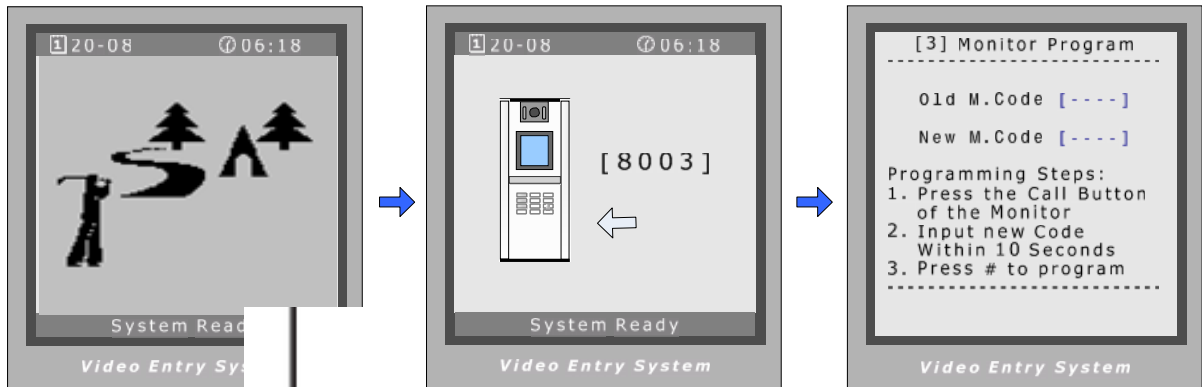
| When Door Station is standby, press "**#**" key | Input "**8003**", then input **Program Code** ("*88888888*" by default) | **Monitor Program** is launched |

- **When in Debug Mode**
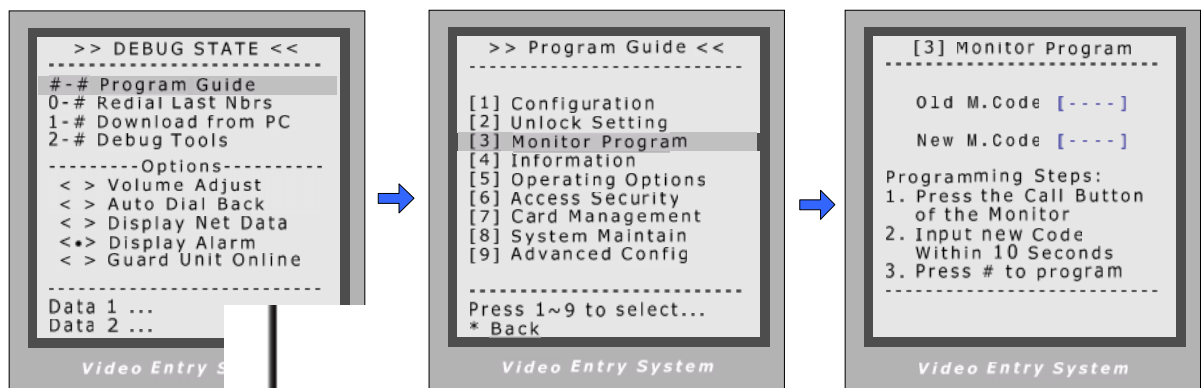
| When in Debug Mode, press "**#**" twice | In Program Menu, press "3" to enter **Monitor Program** item | **Monitor Program** is launched |

4.4.2 Monitor Programming Procedure

Make sure before program:
The Door Station is under Monitor Program state.
The Monitor is connected correctly and is powered on.

Step 1:

Press "**CALL**" button on the Monitor to be programmed

```
    [3] Monitor Program
----------------------------
  Old M.Code [----]

  New M.Code [----]

Programming Steps:
1. Press the Call Button
   of the Monitor
2. Input new Code
   Within 10 Seconds
3. Press # to program
----------------------------



Video Entry System
```

```
    [3] Monitor Program
----------------------------
  Old M.Code [0101]

  New M.Code [----]

Programming Steps:
1. Press the Call Button
   of the Monitor
2. Input new Code
   Within 10 Seconds
3. Press # to program
----------------------------
            09
     Input Monitor Code

Video Entry System
```

```
    [3] Monitor Program
----------------------------
  Old M.Code [0101]

  New M.Code [1606]

Programming Steps:
1. Press the Call Button
   of the Monitor
2. Input new Code
   Within 10 Seconds
3. Press # to program
----------------------------
            03
       Programming...

eo Entry System
```

Return after programming process

Step 2:

The previous Room Code is showed, with hints in bottom line to input new Room Code, at the same time, lapse counter starts

Step 3:

Input new Room code in 4-digits format; then Press "#" to start programming.
The result will be displayed after 2~4s normally

Important Notes:

- Please note when Door Station runs in Monitor Program state, the rest functions of system are blocked temporarily.

- Valid program timing is limited in 10 seconds, after pressing the Monitor's CALL Button. If exceeding the timing limitation, Door Station will clear the inputs and returns to Monitor Program menu.

- It is critical to make sure that only the Monitor to be programmed can be operated during programming.

- If repeated Room Code is checked, programming will fail and display "Overlap" information.

- You can program all Monitors before installation, and then make installation according to the Room Code.

5. DOOR STATION PROGRAMMING

5.1. How to enter PROGRAM MENU

During programming state, system functions are blocked temporarily.

- By keypad

Make the Door Station get into **Debug State,** see Chapter 3.2 for reference.

Under **Debug Mode**, press "#" twice to enter PROGRAM MENU.

```
>> DEBUG STATE <<
---------------------------
#-# Program Guide
0-# Redial Last Nbrs
1-# Download from PC
2-# Debug Tools
---------Options----------
< > Volume Adjust
< > Auto Dial Back
< > Display Net Data
<•> Display Alarm
< > Guard Unit Online
---------------------------
Video Entry
```
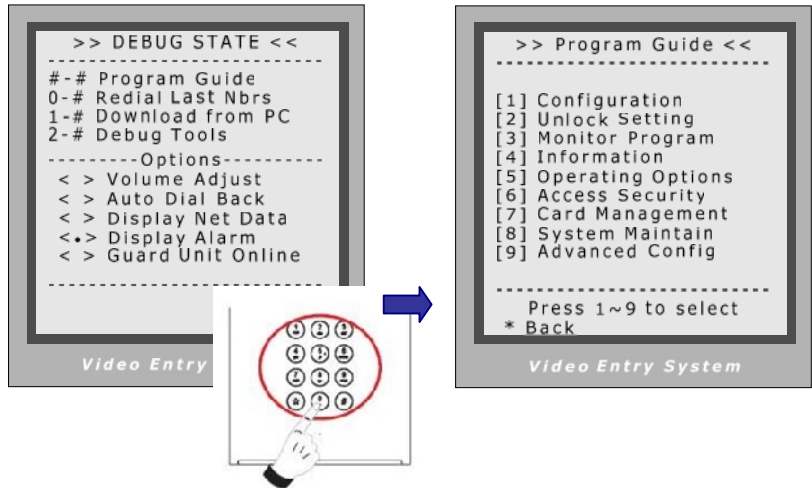
```
>> Program Guide <<
.........................
[1] Configuration
[2] Unlock Setting
[3] Monitor Program
[4] Information
[5] Operating Options
[6] Access Security
[7] Card Management
[8] System Maintain
[9] Advanced Config
---------------------------
    Press 1~9 to select
* Back
Video Entry System
```

5.2. How to modify the parameter

In PROGRAM MENU screen, press numbers key to activate the **Program Sub Menu**.

In **Program Sub Menu**, press numbers key to enter parameter setting, then follow screen prompts to operate.

For example, to enter **Net Address** setting, follow the steps as below:

```
>> Program Guide <<
---------------------------
[1] Configuration
[2] Unlock Setting
[3] Monitor Program
[4] Information
[5] Operating Options
[6] Access Security
[7] Card Management
[8] System Maintain
[9] Advanced Config
---------------------------
    Press 1~9 to select
* Back
Video Entry System
```

```
[1] Configuration
---------------------------
-1. Net Address [001]
-2. Multi DS Mode [0]
-3. Unlock Timing [1]
-4. Monitoring Nbrs [2]
-5. Intercom Video [1]
-6. Camera Power On [0]
-7. Doorplate Mode [1]
-8. Admin. Code
-9. Default Set
---------------------------
    Press 1~9 to select
* Back
Video Entry System
```

```
>>[1][1]
    Net Address

       [...]


    (001..120)

* Back        #Save
Video Entry System
```

| Press number *1*, to launch | Press number *1*, to enter | Input 3 digits, to assign a |
| **[1] Configuration** | **Net Address** setting | new address |

5.3. PROGRAM MENU Overview

```
>> Program Guide <<
--------------------------
[1] Configuration
[2] Unlock Setting
[3] Monitor Program
[4] Information
[5] Operating Options
[6] Access Security
[7] Card Management
[8] System Maintain
[9] Advanced Config
--------------------------
    Press 1~9 to select
* Back

Video Entry System
```
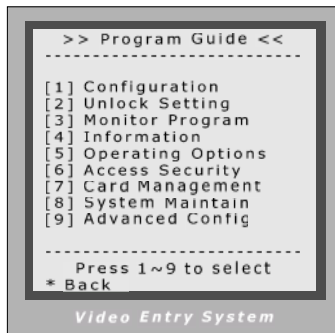
[1] Configuration	[1][1]. Net Address
	[1][2]. Multi DS Mode
	[1][3]. Unlock Timing
	[1][4]. Monitoring Nbrs
	[1][5]. Intercom Video
	[1][6]. Camera Power On
	[1][7]. Doorplate Mode
	[1][8]. Admin. Code
	[1][9]. Default Set
[2] Unlock Code	[2][1]. Unlock Code 1
	[2][2]. Unlock Code 2
	[2][3]. Code Error Alert
	[2][4]. Code Mode
	[2][5]. Code Range …
	[2][6]. Code Check …
	[2][7]. Code Nbrs
	[2][8]. Program Code
[3] Monitor Program	
[4] Information	[4][1]. Hardware Version
	[4][2]. Software Version
	[4][3]. Manufacture Date
	[4][4]. Dialing Count
	[4][5]. Calls Count
	[4][6]. Unlock Count
[5] Operating Options	[5][1]. Diagnose Range …
	[5][2]. Upload Log
	[5][3]. Voice Guide
	[5][4]. Multi Channel
	[5][5]. Extend Monitors
	[5][6]. Door Open Alert
	[5][7]. Monitor & Speak
	[5][8]. Monitor & Unlock
	[5][9]. Display Mode
[6] Access Security	[6][1]. Access Function
	[6][2]. Passive Address
	[6][3]. ACS Address
	[6][4]. Clock…
	[6][5]. Unlock Verify
[7] Card Management	[7][1]. Add Card
	[7][2]. Delete by Card
	[7][3]. Delete by M.Code
	[7][4]. Cards Information
	[7][5]. Master Card
[8] Reserved	
[9] Advanced Config	[9][1]. Tone Select
	[9][2]. Image Memo
	[9][3]. Voice Memo
	[9][4]. Name List
	[9][5]. HMC
	[9][6]. Monitor Version
	[9][7]. Call Mode
	[9][8]. Language

5.4. Basic Programming Detail

5.4.1. PROGRAM > [1]Configuration

Items	Descriptions	Factory set
-1. Net Address	As each Door Station must be programmed with a unique Netware address, so you must assign Net Address before the Door Station will works with Guard Unit. The valid Net Address is from 001 to 120, in 3-digits format. Note, repeated Net Address in same Network is forbidden.	No address
-2. Multi DS Mode	If only one Door Station is installed in this building, set to 0; If more than one Door Stations are installed, primary Door Station must be set to 1, and other slave Door Stations must be set to 2 to 8. Note the max Door Stations numbers in one building is 8.	[0] Single
-3. Unlock Timing	To set the time that how long the door keeps open when door is released. Range from 1 to 99 seconds.	[1] 1 seconds
-4. Monitoring Nbrs	This parameter is to set that how many Monitors can monitor Door Station simultaneously, this to say, the turn-on screens numbers permitted. This number should be based on Monitor and Power supply quantities installed in the system, within the limit of power supply capacity. Range from 1 to 5.	[2] 2 numbers
-5. Intercom Video	If set to 0, when Monitor is called by Guard Unit or other Monitors, the monitor screen (CRT/TFT) doesn't turn on. If set to 1, the screen will always be turned on in calling.	[1] turn on screen
-6. Camera Power On	If set to 0, the camera in Door Station is turned off in standby, and will be turned on when calling or monitoring function operates; If set to 1, the camera will be turned on permanently. This is useful when Door Station works in very cold weather.	[0] turn off normally
-7. Doorplate Mode	To choose the digits of Room Code, which you have to input in keypad, to call the Monitors. 3 modes are available, from 0 to 2. If set to 0, 4-digits integral Room Code is needed to call Monitors; if set to 1, smart input mode is chosen, the first "0" in front of 3 digitals number can skip. For example, to call "0301" Monitor, you can input "301" in short instead of "0301" ; if set to 2, room code is set to 2-digits format, from "01" to "99".	[1] smart mode
-8. Admin. Code	To change Door Station Administrator Code (Installer Code).	[66666666]
-9. Default Set	To retrieve the original configuration of Door Station. Note this operation is an irreversible operation. Once restore is done, the parameters including Admin Codes and Program Code will return to Factory default and Master Card is deleted.	-

5.4.2. PROGRAM > [4] Information

Items	Descriptions	Format
-1. Hardware version	To show the Door Station(including ACS) **hardware** information	[MR-V5, ACS-V3]
-2. Software version	To show the Door Station(including ACS) **software** information	[MR-V7, ACS-V2]
-3. Manufacture Date	To show the Door Station **manufacturing date**	[YY-MM-DD]
-4. Dialing Counts	To show the Door Station **call operation counts**	[0000]
-5. Calls Counts	To show the Door Station **established calling counts**	[0000]
-6. Unlock Counts	To show the Door Station **unlock operation counts**	[0000]

5.4.3. PROGRAM > [5] Operating Options

Items	Descriptions	Factory setting
-1. Diagnose Range	To set the valid room codes range in system, for the purpose of IDS software device management. Monitors out of limit range will not be inspected.	[0101~1604]
-2. Upload Log	If set to 1, system operating logs will be sent to IDS software; If set to 0, logs will not be sent.	[0] Don't transmit
-3. Voice Guide	To select the language of voice guide inside the Door Station. If set to 0, no voice guide is activated; set to 1, use Chinese voice guide; Set to 2, use English voice guide; Set to 3, use Korean voice guide; Set to 4, use customized language voice guide.	[0] No Voice guide
-4. Multi Channel	To configure system audio/video channel number. If set to 0, single channel, when F4(A) or no distributor are installed; If set to 1, four audio channels, and F4Q distributor should be used; If set to 2, four audio and dual video channels, when F4QV is used; If set to 3, dual audio channels, and F4D distributor should be used; If set to 4, dual audio&video channels, and F4DV should be used.	[0] Single channel
-5. Extend Monitors	To configure system if extended Monitors are installed in one unit, and extended Monitors have the same Room code. If set to 0, only 1 Monitor in one unit; set to 1, total is 1 monitor in this unit, 1 extended Monitor can be installed, total is 2 Monitors in this unit; set to 2, 2 extended Monitors can be installed, total is 3 monitors in this unit.	[0] No extended
-6. Door Open Alert	To configure send alert to Guard Unit if door is open all the while. If set to 1, alert if door opened more than 90s; set to 0, don't alert.	[0] Disable
-7. Monitor&Speak	To enable Indoor Monitor under monitoring state can speak to Door Station at same time. If set to 1, talk enabled; set to 0, disabled.	[0] Disable
-8. Monitor&Unlock	To enable Monitors under monitoring state can open the door at same time.If set to 1, unlock function is enabled; set to 0, disable.	[0] Disable
-9. Display Mode	To select the Door Station screen menu in standby. If set to 1, use customized menu; set to 0, use default menu.	[0] Default menu

5.4.4. PROGRAM > [9] Advanced Config

| Items	Descriptions	Default
-1. Tone Select	Select the chime of Door Station in calling wait state, 15 chord tunes are available, key in 01 to 15 to select.	[11] Chord 11
-2. Image Memo	Only valid if Image Memory is available. If set to 1, images will be stored in PC; Set to 0, no images stored.	[0] Not recorded
-3. Voice Memo	Only valid if Voice Memory is available. If set to 1, voice message can be stored in monitor if no answer. Set to 0, no voice stored	[0] No voice message
-4. Name List	Only valid if Name list is build-in. If set to 1, press "9#" under standby will launch Name list screen. Set to 0, no Name list screen launch.	[0] No Name List
-5. HMC	To activate Home Message function, if HMS is installed. If set to 1, activating HMS operation. Set to 0, no HMC activate.	[0] Not installed
-6. Monitor Version	To select intercom and Common Door Station instructions. If set to 0, short instructions; set to 1, long instructions.	[0] Short instructions
-7. Call Mode	To select the action when Monitor presses Call Button. If set to 0, send a message to Guard Unit; Set to 1, treat calling as direct-dialing Guard Unit operation; Set to 2, transfer calling to local Guard Unit.	[0] Direct-dialing
-8. Language	To select language. If set to 1, English menu is launched; set to 0, Chinese menu.	[1] English

6. Access Control by Unlock Code

This part explains how to configure the access control by means of keypad, and management of Unlock Code.

6.1. How to use code unlock function

There are two unlock mode: Common Unlock Mode, Private Unlock Mode, operation is shown as below.
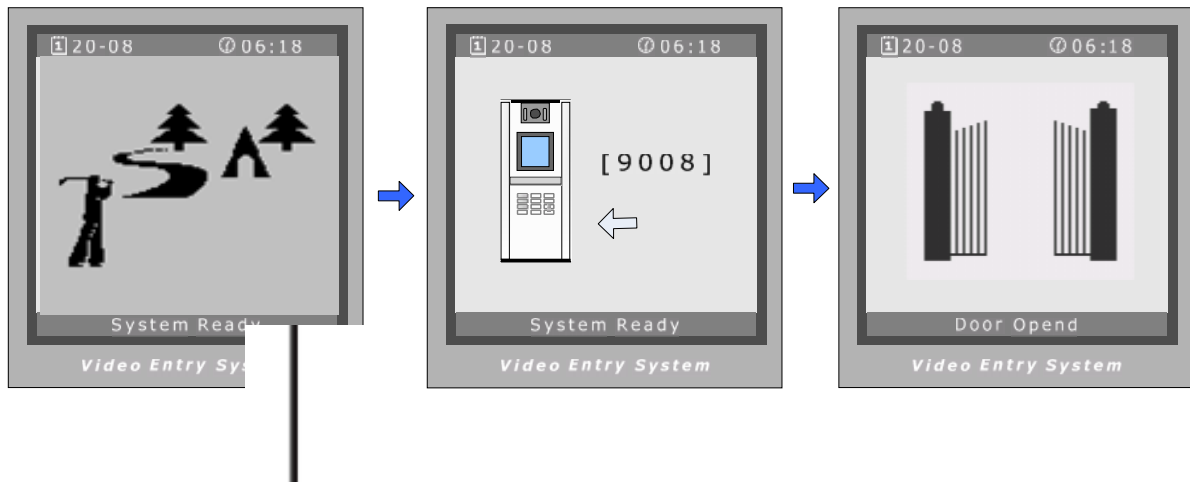
| When the Door Station is standby, Press "#" | **Common Mode:** input Unlock Code directly; **Private Mode:** first Input Room Code, then private unlock code; | If verified correctly, door open |

- Common Unlock Mode

    All users share same Unlock Codes, simple and convenient, and this mode is by default.

    There are 2 common unlock codes in 4-digit, both codes are valid, and each can be changed indecently.

    Furthermore, 8-digits code mode can be used by joint Unlock Code 1 and Unlock Code 2 together, which controlled by "Code Nbrs" parameter, see **Chapter 6.4** for reference. If 8-digits code mode is configured, only one Unlock Code can be used.

- Private Unlock Mode

    In this mode, each user owns his/her Unlock Code, and Room Code is asked before inputting Unlock Code.

    Please note only 4-digits code can be used.

    In Private Unlock Mode, if not modified, the default code is Unlock Code 1.

    User can change Unlock Code by himself/herself, follow these steps:

    - When the Door Station is standby, press "#", then input Room Code.
    - When password is asked, press "#" again, this is critical for private Unlock Code modification.
    - Input previous Unlock Code correctly.
    - Input new Unlock Code in 4-digits, and re-input once more to ensure confirm.
    - Press "#", new Unlock Code will be stored, and the Door Station returns to standby state.

    Note: during the operation, press "*" to cancel; if no key was pressed in 10s, operation will be aborted.

6.2. How to enter Unlock Setting menu

If Door Station runs as Debug State, you can press "#" twice to activate Program Menu, then select "2" to enter;

However, if runs as Normal State, follow these steps to enter:
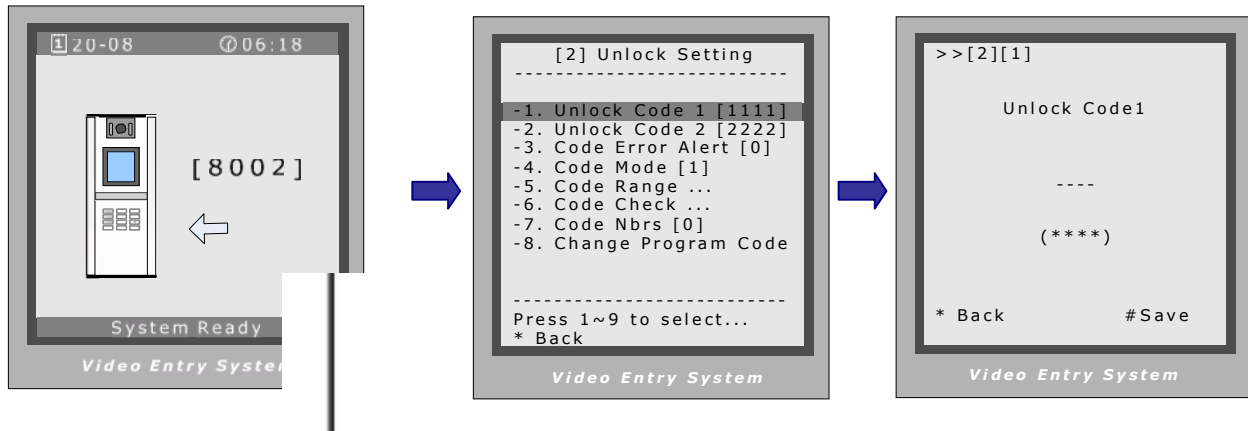
Press "#", then Input "**8002**", then **Program Code** (or **Admin Code**)	Press number **1**, to enter **Unlock Code1** item	Input 4 digits, then press "#" to update

6.3. Description of Unlock Code management

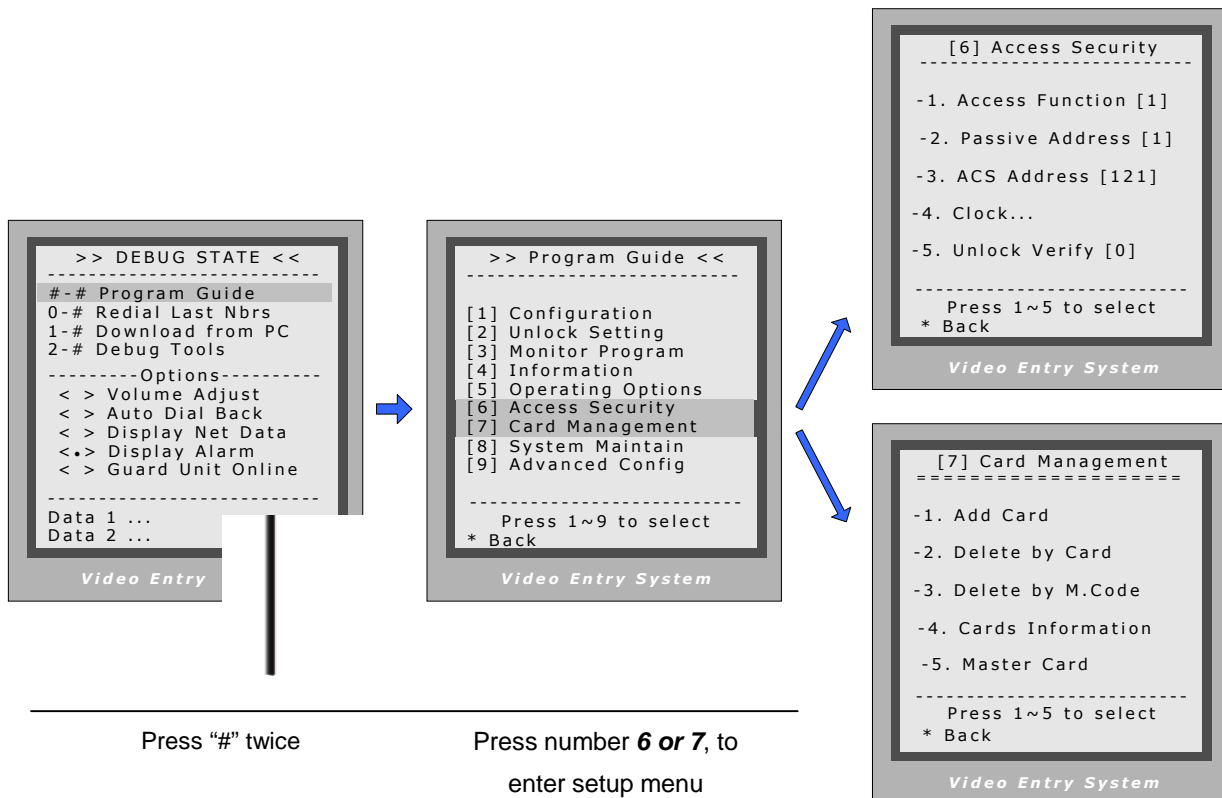| Items	Descriptions	Factory setting
-1. Unlock Code 1	To change 1st unlock code in **Common Code Unlock** mode, in 4-digits format. It is default code for **Private Code Unlock** mode.	[1111]
-2. Unlock Code 2	To change 2nd unlock code in **Common Code Unlock** mode.	[2222]
-3. Code Err Alert	If set to 1, when wrong codes were input for 3 times within 1 minute, warning message will be sent to Guard Unit, and unlock function is forbidden within 3 minutes. If setup 0, no warning.	[0] No warning
-4. Code Mode	If set to 1, works as **Common Code Unlock** mode, and using 1st and 2nd unlock code. If set to 0, works as **Private Code Unlock** mode, each unit has its own unlock code respectively.	[0] Common Code Unlock mode
-5. Code Range	Only used in **Private Code Unlock** mode, to set the valid range of Room Codes. Room Code out of limit range is invalid.	[0101~0808]
-6. Code Check	Only used in **Private Code Unlock** mode. If set to 1, the Monitor of the input Room Code must be online; If set to 0, no limit.	[0] No limit
-7. Code Nbrs	Only used in **Common Code Unlock** mode. If set to 1, the unlock code is set to 8 digits, which is the combination of 1st and 2nd unlock code. If set to 0, unlock code is 4 digits, both 1st and 2nd unlock code are valid.	[0] 4-digits code
-8. Program Code	To change the Program Code.	[88888888]

7. Proximity Card Access Security Programming

This part explains how to configure the Proximity card access function, by means of keypad. Please note, to a Door Station without access security, all the related parameters can't be updated.

It is much convenient to manage access security and cards by means of IDS software in a networked system. The standard capacity is 500 cards, and can be upgraded to 5,000 cards if needed. Reading distance is approximately 30mm from the window.

7.1. Access Security Programming Overview

There are 2 type of setup, for Access controller and cards authorization, located in Program Menu 6,7.
Door Station should enter Debug State first, and then operate as below.


```
    >> DEBUG STATE <<
---------------------------
#-# Program Guide
0-# Redial Last Nbrs
1-# Download from PC
2-# Debug Tools
---------Options---------
< > Volume Adjust
< > Auto Dial Back
< > Display Net Data
<•> Display Alarm
< > Guard Unit Online
---------------------------
Data 1 ...
Data 2 ...

Video Entry
```

```
    >> Program Guide <<
---------------------------
[1] Configuration
[2] Unlock Setting
[3] Monitor Program
[4] Information
[5] Operating Options
[6] Access Security
[7] Card Management
[8] System Maintain
[9] Advanced Config
---------------------------
    Press 1~9 to select
* Back

Video Entry System
```

```
    [6] Access Security
---------------------------
-1. Access Function [1]
-2. Passive Address [1]
-3. ACS Address [121]
-4. Clock...
-5. Unlock Verify [0]
---------------------------
    Press 1~5 to select
* Back

Video Entry System
```

```
    [7] Card Management
=========================
-1. Add Card
-2. Delete by Card
-3. Delete by M.Code
-4. Cards Information
-5. Master Card
---------------------------
    Press 1~5 to select
* Back

Video Entry System
```

Press "#" twice | Press number **6 or 7**, to enter setup menu

- **About access security controller**

    The **Access Security** parameter must be set to 1, so as to activate the access controller.

    As the built-in access controller works independently, the controller addresses is necessary and must be unique in one system, which is **ACS address**. Normally, the **ACS address** is associated with Door Station Netware Address automatically, and you don't need to setup it.

- **About cards**

    One card can only be authorized one time; repeated card will not be recognized and registered.

    Three types of cards are supported: User Card, Master Card and Manage Card.

    1) **User Cards** are associated with Room Code; an authorized User Card can open the door at any time.

    2) **Master Card** will serve direct access to enter Debug Mode, and only one card can be assigned.

    3) **Manage Card** is restricted to pre-defined access rule, and hold by visitor or service person.

        Please note, Manage Cards can only be authorized by means of IDS-800 software.
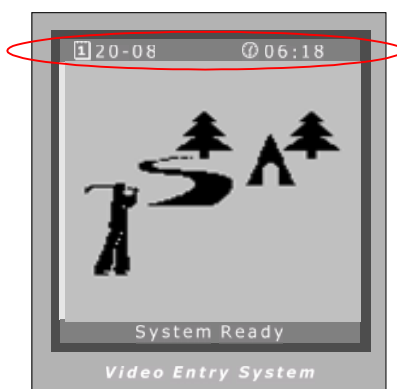
Items	Descriptions	Factory setting
-1. Access Security	To activate or deactivate the Access Security Controller inside the Door Station, however, it is useless to a Door Station without Access security controller inside. If set to 1, activate; set to 0, deactivate.	According to Door Station
-2. Passive Address	Only used in a network Access security system and managed by means of **IDS software Access Module**. If set to 1, the Access security Controller is tied with the Door Station **Net Address**, using an associated address automatically. If set 0, the address of Access Security Controller must be assigned by manual.	[1] Associated
-3. ACS address	Only used in a network Access security system and managed by means of **IDS software Access Module** and **Passive Address** parameter is set to 0. The ACS address is 3-digits format, just like **Net Address**, and ranges from 121 to 240.	Automatically, Don't modify it.
-4. Clock	To configure date and time, only available when the Door Station has Access security function. Enter date ant time, then confirm.	Time zone (GMT+08:00)
-5. Unlock Verify	To configure double-check unlock function, only available when the Door Station has Access security function. If set to 1, you have to input Common Unlock Code for verification, after you show a valid IC card; set to 0, no verification is needed.	[0] No verification

-   About Clock

There is a RTC in access controller and the date and time is displayed in caption line of menu.

Door Station with access security function always uses its own RTC clock.

```
1 20-08        06:18




         System Ready
      Video Entry System
```

```
 >>[6][4]

         Clock

   --/--/--  -  --:--
   dd/mm/yy  w  hh:mm
   17/05/07  0  16:23


 * Back           #Save
      Video Entry System
```

Please note, for a Door Station without Access Security, the Clock will be processed as below:

-   If works in a networked system, date and time are synchronized automatically by Guard Unit clock;
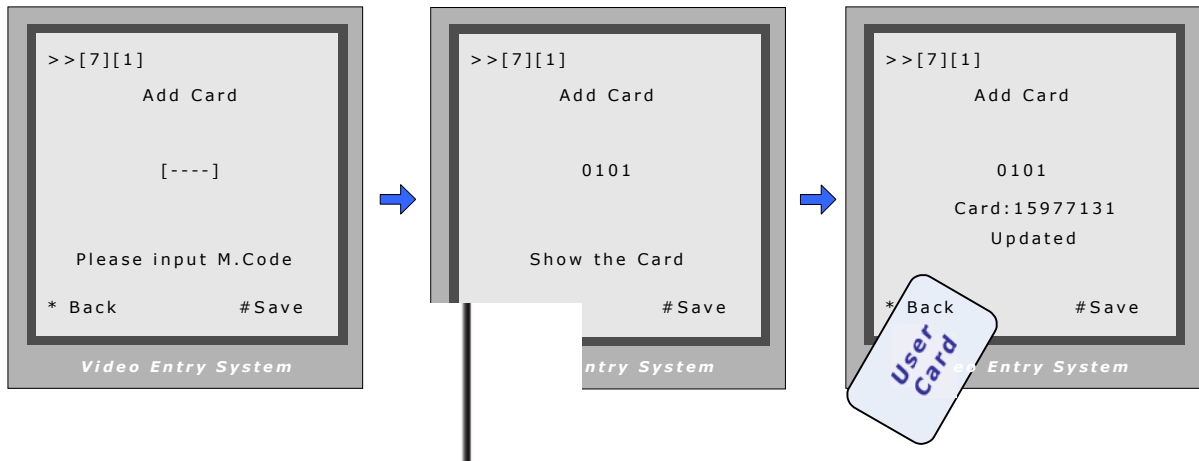-   If works without Guard Unit online, the caption will display "*WELCOME*", instead of date and time.

7.3. Card management by means of keypad

To authorize cards, enter Card Management first (refer Chapter 6.1 to), then select the item.

Please note that the following operations are irreversible.

7.3.1. User Card Management

- **Add User Card**

```
>>[7][1]              >>[7][1]              >>[7][1]
    Add Card              Add Card              Add Card

    [----]                 0101                  0101
                                            Card:15977131
                                               Updated
 Please input M.Code    Show the Card
* Back       #Save               #Save   * Back       #Save

 Video Entry System   ntry System       Entry System
```

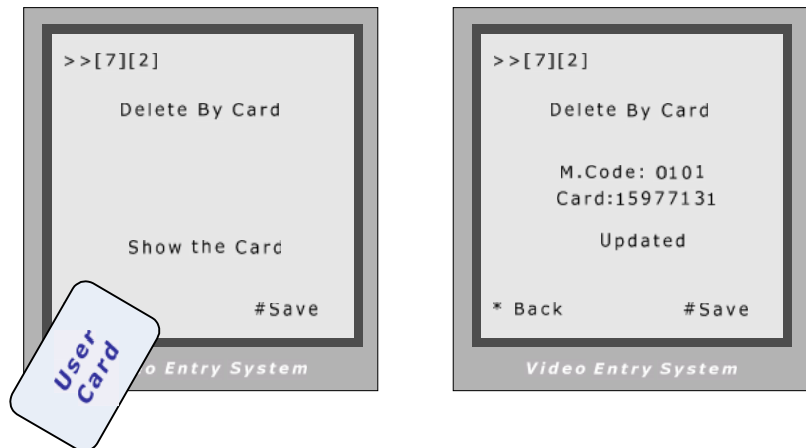| Enter **Add Card** menu, and Room Code is asked. | Input Room Code | Read the card to be authorized |

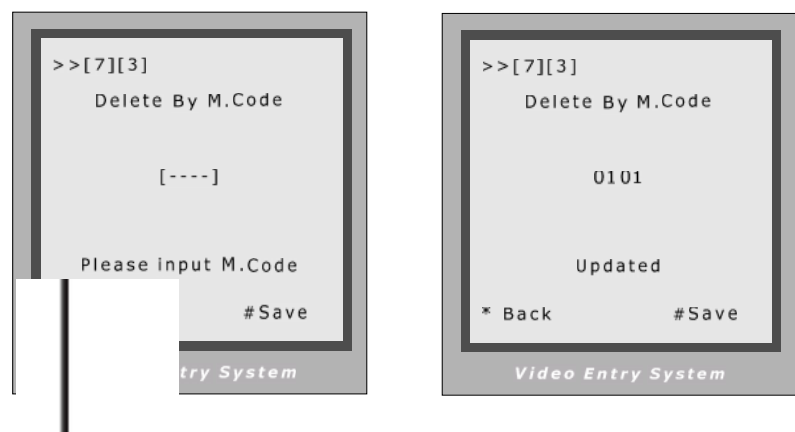- **Delete by reading card**

Enter **Delete by Card**;

Read the card to be deleted, and card number and Room Code will be shown after delete.

```
>>[7][2]                      >>[7][2]

  Delete By Card                Delete By Card

                                 M.Code: 0101
                                 Card:15977131

  Show the Card                   Updated

          #Save               * Back       #Save

o Entry System               Video Entry System
```

- **Delete cards by associated Room Code**

Enter **Delete by M.Code**;

Input the Room Code, press "#" to confirm; all associated cards will be deleted.

```
>>[7][3]                      >>[7][3]
  Delete By M.Code              Delete By M.Code

    [----]                          0101

 Please input M.Code              Updated
          #Save               * Back       #Save

 try System                  Video Entry System
```

- **Card information**

Enter **Card Information**, and the screen will display the authorized User Cards count, and card read access events count.
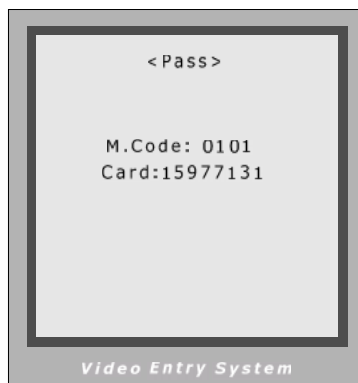
```
>>[7][4]
    Card Information


  Card Count: 4990
  Log Count: 0010



* Back

Video Entry System
```

7.3.2. Master Card Management

Enter **Master Card**, and then read the card to be authorized as new Master Card.

```
>>[7][5]
    Master Card

Replace previous Master
 Card with a new card.
     Irreversible!

   Show the Card

eo Entry System
```

Master Card

After this operation, the previous Master Card is deleted automatically.

Please note that User Cards can't be converted into Master Card.

7.3.3. Card information in Debug Mode

When Door Station runs as Debug Mode, if a card was read, the screen will show information as below.

```
    <Pass>


  M.Code: 0101
  Card:15977131




Video Entry System
```

```
    <Refuse>


  Card:15977131




Video Entry System
```

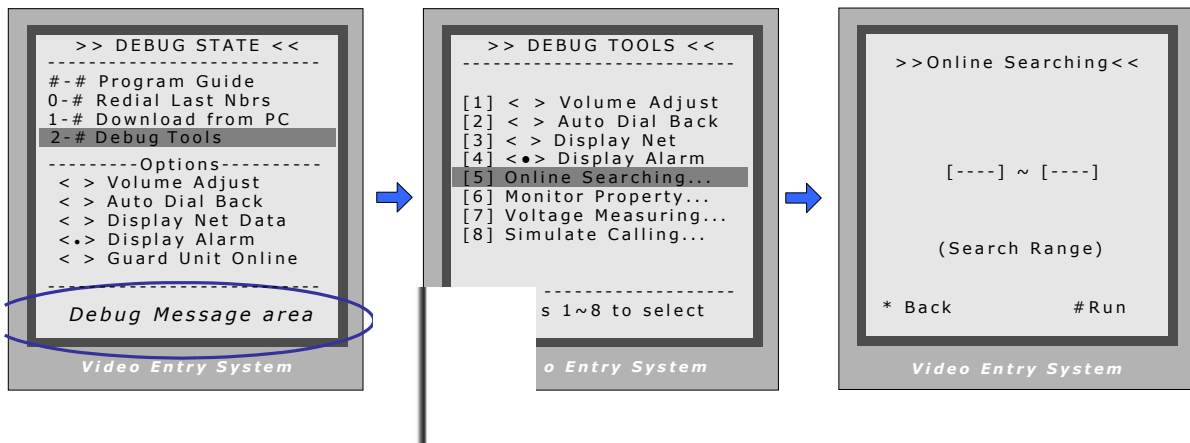If an authorized User Card was read, card number and related Room Code are displayed.

If an un-authorized card was read, card number is displayed.

8. USING DEBUG TOOLS

8.1. How to enter debug tools menu

Make sure the Door Station runs as Debug Mode, press "2", "#"

When Debug Tools menu is shown: Press 1~4 to reverse debug option; Press 5~8 to launch debug command.

For example, press "5" in last step will launch Online searching menu

Note.

- Each Debug Option can be activated or de-activated independently, and marked in screen if activated.
- Each Debug Command is a sub-menu to execute and show result.
- The "Guard Unit Online" item will be marked or cleared dynamically, according to Guard Unit state.
- On Debug State menu, the 2 bottom lines are served as displaying events, logs and debug data.

8.2. Debug Tools > Volume Adjust

Door Station has the advanced feature that conversation volume of both directions can be adjusted in digital method.

After **Volume-Adjust** is activated, if Door Station calls a Monitor and enters talking state, current volume values are shown on bottom line.

The left value means "**Door Station talks to Monitor**" channel, and the right value means "**Monitor talks to Door Station**". Each value can be adjusted separately, ranges for 01 to 25, and 15 by default.

Use "1"/"4" key to increase/decrease the left value; and "3"/"6" for the right value. The adjustment is saved automatically.

Important Notes:

- For installations using handfree Monitors, it's important that volume values in both directions must be adjusted correctly. Otherwise, conversation maybe hard to hear, or discontinuously, or feedback.

- The handfree conversation quality between Monitor and Door Station is related to distance between them. On the back of handfree Monitor, a yellow rheostat (Variable Resistor) serves as adjuster, to adapt to distance. If long distance cable is used or in interferential area for the Monitor, please adjust the rheostat (VR) carefully to make the conversation in both directions clearly and continuously.
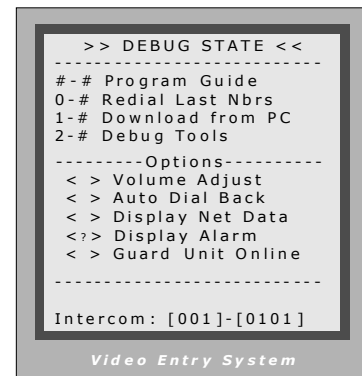
8.3. Debug Tools > Auto Dial Back

The **Auto-Dial-Back** option is designed to simplify field debugging, and to realize single person testing. Also, it is always used to get a Monitor's Room Code.

After **Auto-Dial-Back** is activated, by pressing Monitor's Call Button, the Monitor's Room Code is shown at the Debug Message Area of screen. 3 seconds later, the Door Station will automatically launch calling operation to the Monitor. However, if you don't need calling, just press "*" when Room Code is present.

Please note: **Auto-Dial-Back** is automatically activated when you first enter Debug Mode, and Guard Unit doesn't response to Monitor's calling request in this condition.

8.4. Debug Tools > Display Net Data

The **Display-Net-Data** option is designed to simplify networked installation debugging, or intercom function.

After this option is activated, related net-ware data from Guard Unit and intercom dialing numbers are displayed at the Debug Message Area on screen. These text messages make system internal state seems transparent to installer, much useful to analyze and find out installation problem. The right is an example when intercom occurs.

```
    > > DEBUG STATE < <
- - - - - - - - - - - - - - - - - - - - - - - - - -
# - # Program Guide
0 - # Redial Last Nbrs
1 - # Download from PC
2 - # Debug Tools
- - - - - - - - - Options - - - - - - - - - -
 < >  Volume Adjust
 < >  Auto Dial Back
 < >  Display Net Data
 <?>  Display Alarm
 < >  Guard Unit Online
- - - - - - - - - - - - - - - - - - - - - - - - - -

Intercom: [001]-[0101]

    Video Entry System
```
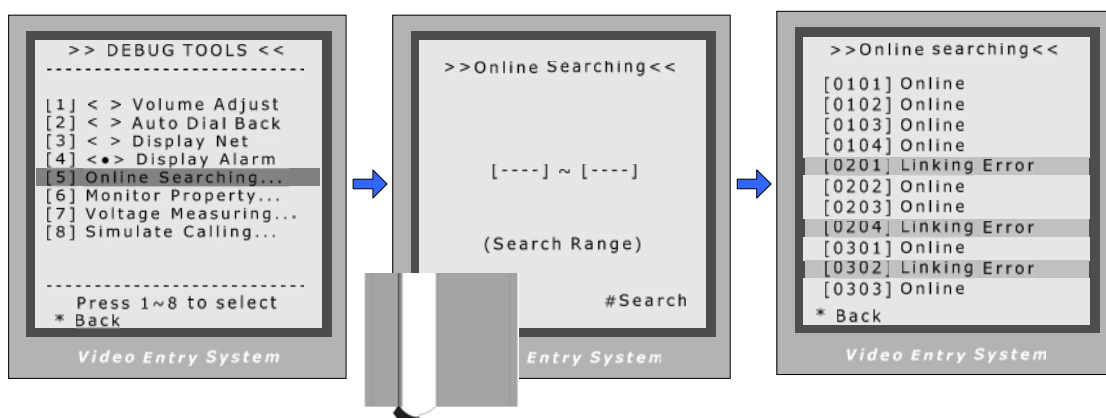
8.5. Debug Tools > Display Alarm

The **Display-Alarm** option is designed to simplify Home Alarm Security function debugging.

After this option is activated, the Door Station will serve as a Guard Unit, and all alarm information are displayed at the Debug Message Area on screen, instead of transferring data to Guard Unit. The alarm information include: Monitor's Room Code, armed, disarmed and alarmed zones.

Use this function, it becomes unnecessary to look at the Guard Unit or computer screen, and you don't need another installer staying at Guard Unit location. This option decomposes the alarm debugging into one building level.

8.6. Debug Tools > Online searching command

Function: Search the certain range of Monitor which is for checking the information of the online monitor. After startup this operation, the Door Station search and display the present online monitor according to the setup range automatically. Operation steps are show as below:

```
   > > DEBUG TOOLS < <
- - - - - - - - - - - - - - - - - - - - -
[1] < >  Volume Adjust
[2] < >  Auto Dial Back
[3] < >  Display Net
[4] <•>  Display Alarm
[5] Online Searching...
[6] Monitor Property...
[7] Voltage Measuring...
[8] Simulate Calling...

- - - - - - - - - - - - - - - - - - - - -
  Press 1~8 to select
* Back
   Video Entry System
```

```
>>Online Searching<<




  [----] ~ [----]


  (Search Range)

              #Search
   Entry System
```

```
  >>Online searching<<

[0101] Online
[0102] Online
[0103] Online
[0104] Online
[0201] Linking Error
[0202] Online
[0203] Online
[0204] Linking Error
[0301] Online
[0302] Linking Error
[0303] Online
* Back
   Video Entry System
```

| When in **Debug State**, press "2","#" to enter **Debug Tools**, then press "5" | To specify searching range, by inputting start and end Monitor address, then press "#" to run | The result is displayed. |

8.7. Debug Tools > Monitor Property command

This command is designed to get the property of the Monitor. Follow the steps in next page:
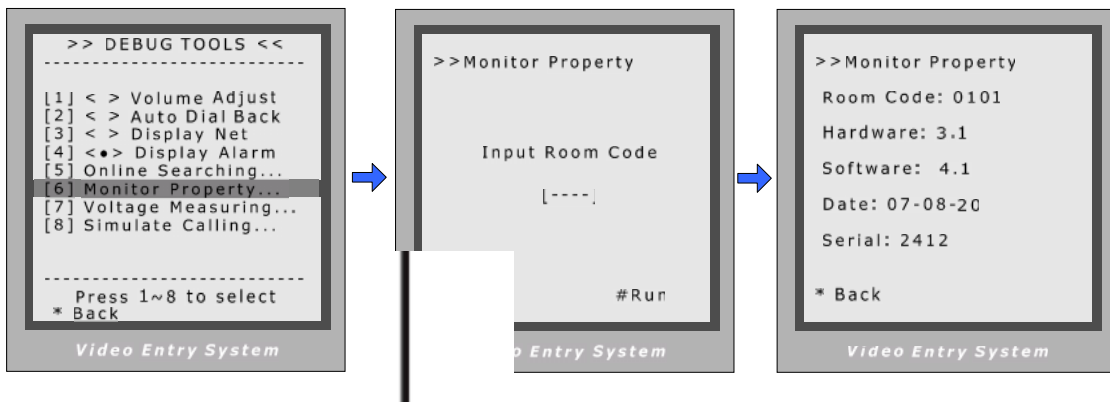
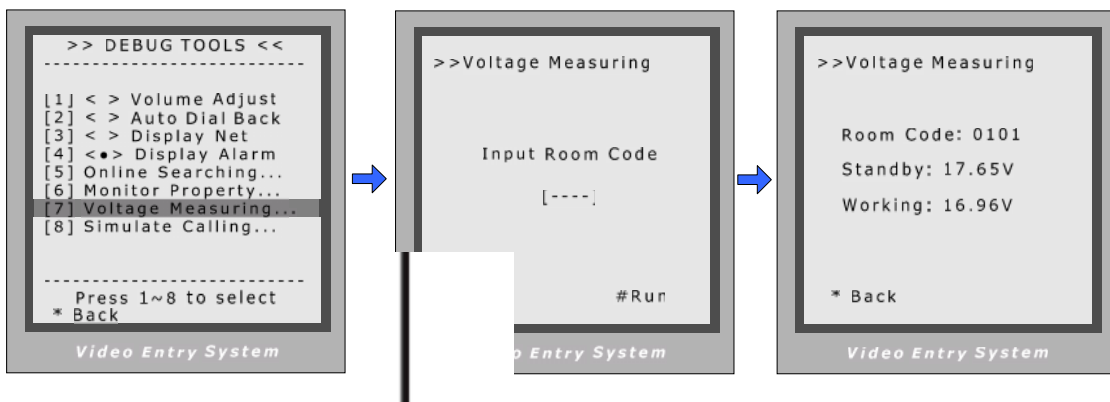| In **Debug State**, press "2","#" to enter **Debug Tools**, select "6" | Input Monitor's Room Code in 4-digits, and then press "#" | The properties of Monitor are shown on screen. |

8.8. Debug Tools > Voltage Measuring command

This command is used to get Monitor's voltage values, and execution time is about 1 second.

Two values are returned: Standby voltage when Monitor screen turns off; working voltage when Monitor screen turns on. Please note SR serial Monitors were designed without A/D converter, and don't support.

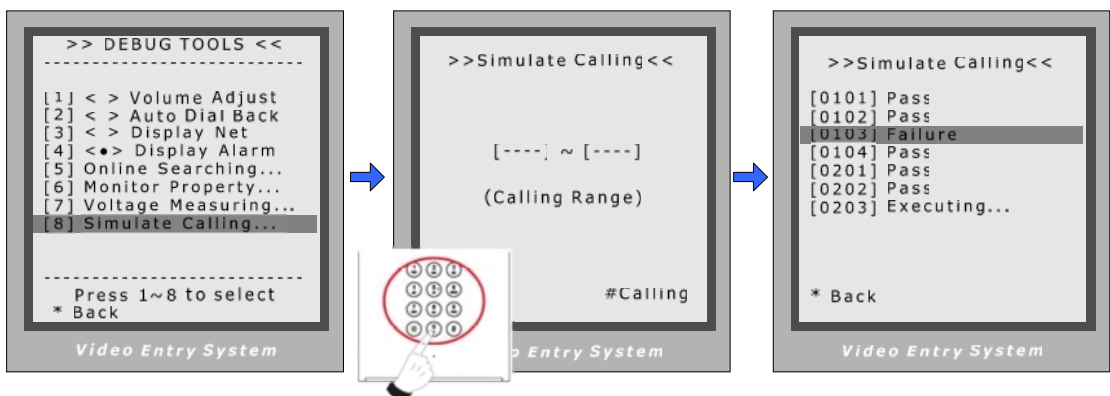| In **Debug State**, press "2","#" to enter **Debug Tools**, select "7" | Input Monitor's Room Code in 4-digits, and then press "#" | The two voltage values are shown on screen. |

8.9. Debug Tools > Simulate Calling command

This command simulates the "Door Station calls Monitor" operation in background process, without bothering the owners or tenants. As most of the calling signals are processed in Simulating Calling, if a Monitor passes the test, generally this Monitor should works well.

Please note the Monitor will be turned on 3 seconds and then shut down during Simulate Calling.

| In **Debug State**, press "2","#" to enter **Debug Tools**, select "8" | Input start and end Room Code range, then press "#" to run | The result is displayed. |